

Mixture type (U,S)	AA,AA	AA,AB	AB,AB
Frequency of observations (fm)	fa^4	$2fa^3fb$	$2fa^3fb$
LR (numerator)	1	$(fa+fb)^2$	$fb^2+2fafb$
LR (denominator)	fa^2	$6fa^2fb^2+4fa^3fb+4fafb^3$	$6fa^2fb^2+4fa^3fb+4fafb^3$

Mixture type (U,S)	AA,BB	BB,AA	AB,AB
Frequency of observations (fm)	fa^2fb^2	fa^2fb^2	$4fa^2fb^2$
LR (numerator)	$fa^2+2fafb$	$fb^2+2fafb$	$(fa+fb)^3$
LR (denominator)	$6fa^2fb^2+4fa^3fb+4fafb^3$	$6fa^2fb^2+4fa^3fb+4fafb^3$	$6fa^2fb^2+4fa^3fb+4fafb^3$

Mixture type (U,S)	AB,BB	BB,AB	BB,BB
Frequency of observations (fm)	$2fafb^3$	$2fafb^3$	fb^4
LR (numerator)	$fa^2+2fafb$	$(fa+fb)^2$	1
LR (denominator)	$6fa^2fb^2+4fa^3fb+4fafb^3$	$6fa^2fb^2+4fa^3fb+4fafb^3$	fb^2

Fig 1

002221 2895420

002227 28954260

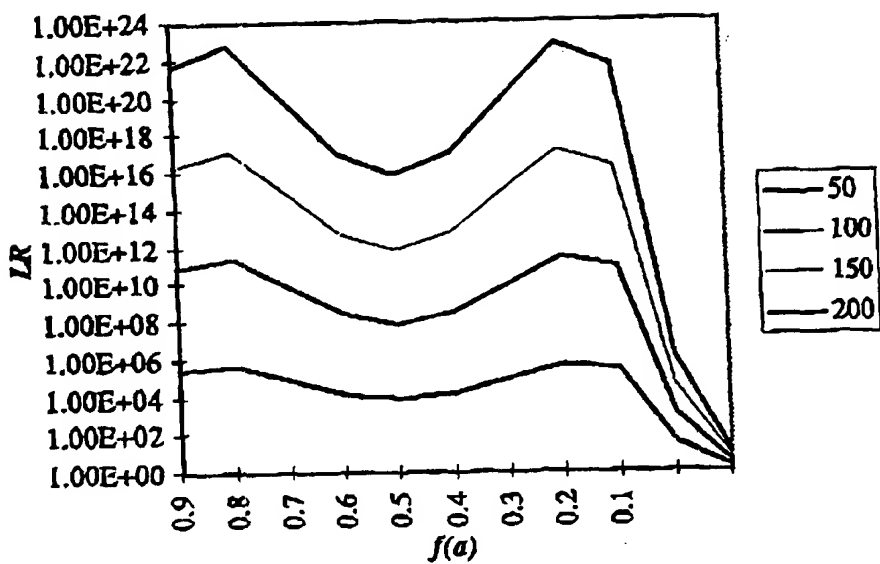


Fig 2

Mixture type (V,S)	AA,AA	AA,AB	AB,AA
Frequency (fm)	fa^4	$f2a^3b$	$2a^3b$
LR (denominator)	fa^2	$2ab+b^2$	$(a+b)^2$

Mixture type (V,S)	AA,BB	BB,AA	AB,AB
Frequency (fm)	$fa^2 b^2$	$fa^2 fb^2$	$4fa^2b^2$
LR (denominator)	$fb^2+2fafb$	$fa^2+2fafb$	$(fa+fb)^2$

Mixture type (V,S)	AB,BB	BB,AB	BB,BB
Frequency (fm)	$2fafb^3$	$2fafb^3$	fb^4
LR (denominator)	$(fa+fb)^2$	$fa^2+2fafb$	fb^2

Fig-3

002221 132200

002227" 48934460

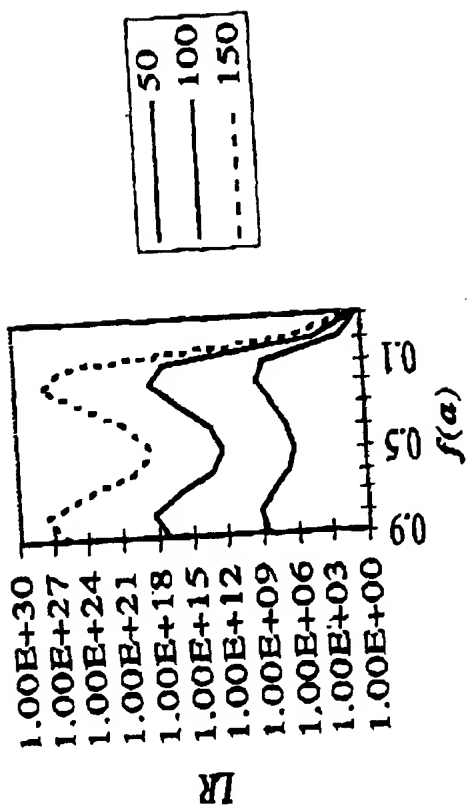


Fig 4

00222T" 28954260

Fig 5

Locus	Victim	Suspect	Difference	Result	Perpetrator	Likelihood ratio
1	AA	AB	B	B	AB or BB	$2AB+B^2$
2	AB	AA	X	X	AA or AB or BB	1
3	BB	AB	A	A	AA or AB	$2AB+B^2$
4	AB	BB	X	X	AA or AB or BB	1
5	AA	AB	B	B	AB or BB	$2AB+B^2$
6	BB	BB	A	X	BB	B^2
7	AA	BB	B	B	AB or BB	A^2+2AB

002221 2854260

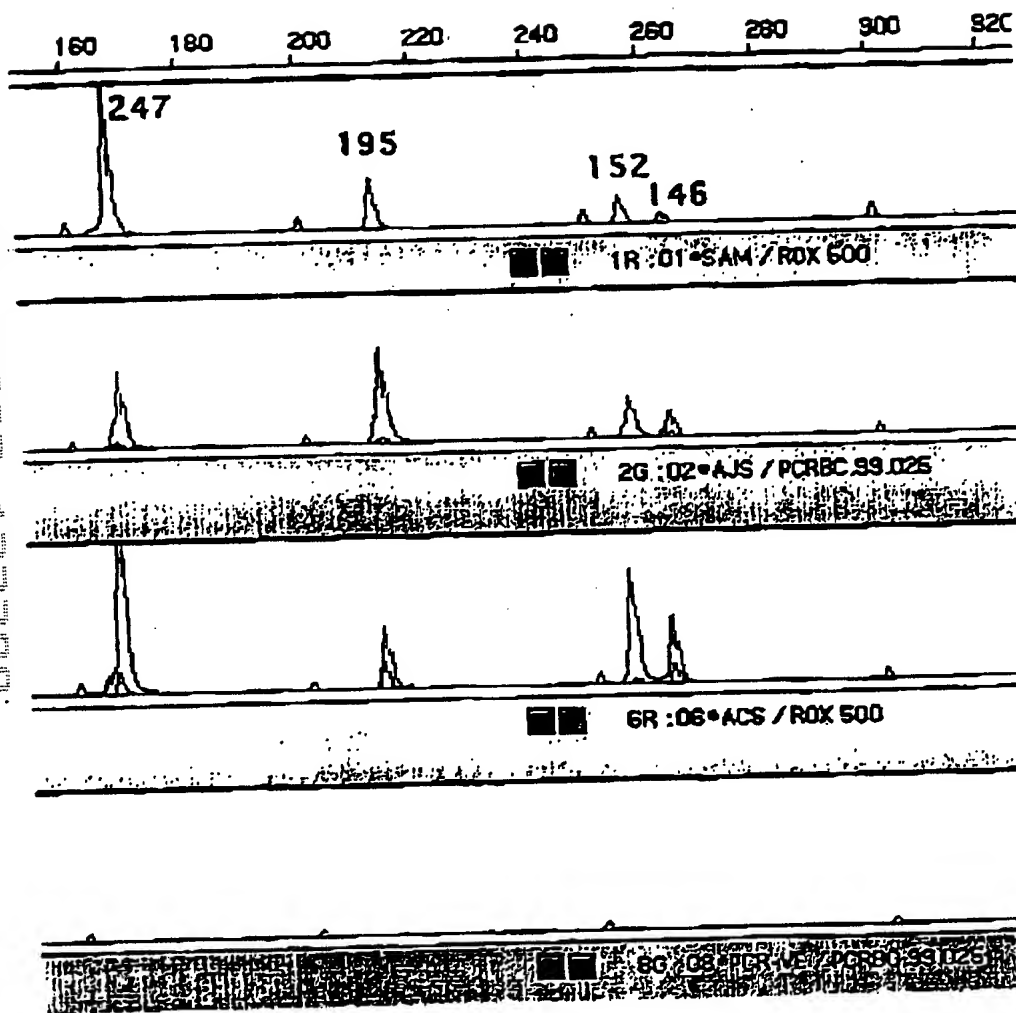
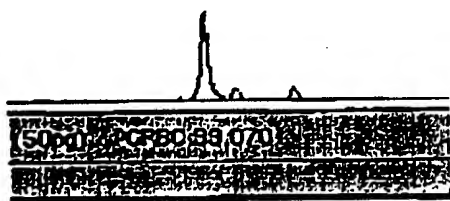
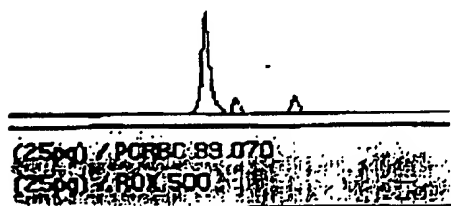
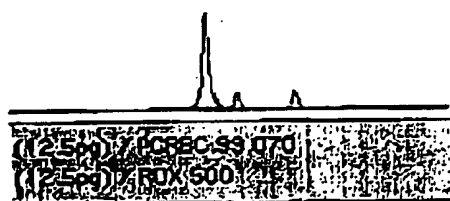
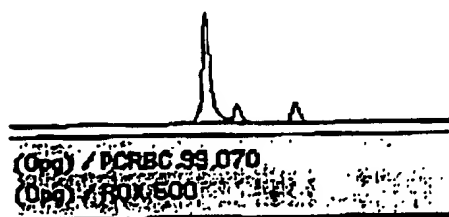


Fig 6

09745687.133200

00 320 340 360



300 320 340 360

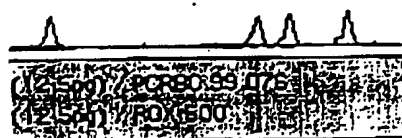
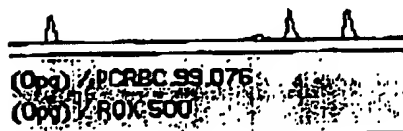
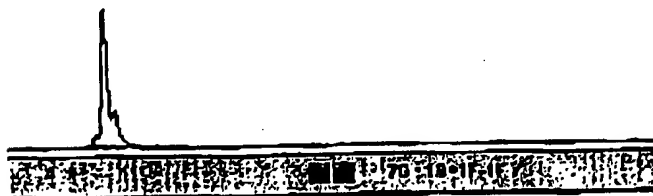


Fig 7

00222T 48954760

80 90 100 110 120 130 140

60:11-18-15



60:11-18-15

INTRIN -VE 60:17-120 CONTROL -VE

Fig 8

100 110 120 130 140

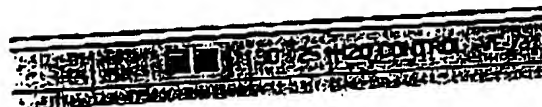
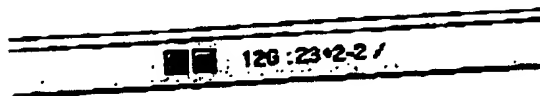
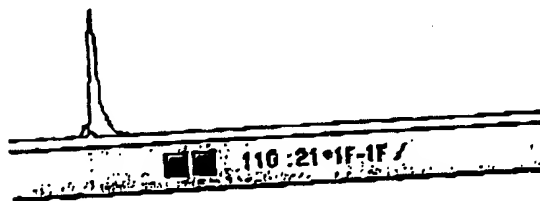
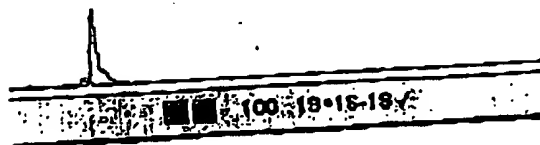


Fig 9

09745687 122200

00222T 28954260

100 110 120 130 140

145:27°19-18 /

156:23°1F-1F /



160:31°2-2 /

170:42° control - 1F /

Fig 10

002227 7895460

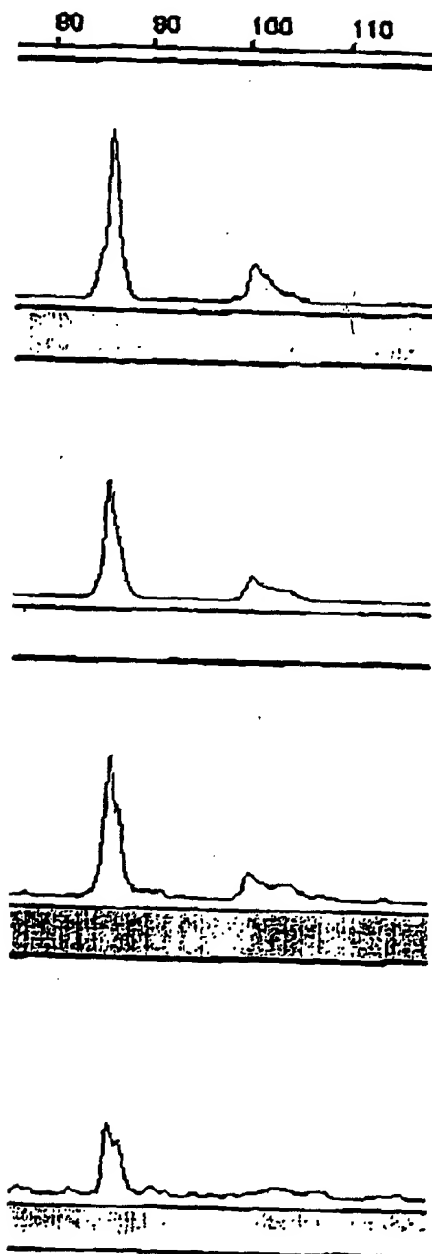


Fig 11